CLAIMS:

1. A coating composition comprising:

(A) 50 to 80 weight percent, based on total resin solids of (A) and (B), of an acrylic polyol comprising the polymerization product of:

(i) 20 to 70 percent hydroxy functional acrylate monomers comprising:

(a) 0.5 to 15 percent of acrylate or methacrylate in which the esterifying group is the residue of a glycidyl group and includes a branched alkyl group;

(b) 5 to 40 percent of acrylate or methacrylate in which the esterifying group is a hydroxy ester having one or more ester groups; and

(c) 0 to 40 percent/of one or more hydroxyalkyl acrylate or hydroxyalkyl methacrylate monomers different from (a) or (b);

(ii) 30 to 80 percent acrylate monomers without functional groups reactive with isocyanate; and

(iii) 0 to 5 percent unsaturated acid monomer; wherein the percentages of each of the acrylic polyol constituents is based upon total resin solids weight of all the acrylic polyol constituents;

(B) 20 to 50 weight percent, based on total resin solids of (A) and (B), of a curing agent réactive with hydroxyl groups;

the percentages based on weight of total resin solids of the composition; wherein the volatile organic content of the coating composition is less than 4.0.

2. The coating composition of claim 1 wherein the acrylic polyol (A) comprises the polymerization product of:

25 to 60 percent of the monomer component (i);

1 to 10 percent of the monomer component (a);

10 to 35 percent of the monomer component (b);

5 to 35 percent of the monomer component (c);

40 to 75 percent of the monomer component (ii); and

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0 to 5 percent of the monomer component (iii); the percentages based upon total resin solids weight of all the acrylic polyol constituents.

- 3. The coating composition of claim 1 wherein:
 monomer component (i) is employed in an amount of 30 to 55 percent;
 monomer component (ii) is employed in an amount of 45 to 65 percent; and
 monomer component (iii) is employed in an amount of 0.1 to 2 percent;
 the percentages based upon total resin solids weight of all the acrylic polyol
 constituents.
- 4. The composition of claim 1 wherein monomer component (b) comprises a compound of the following structure:

where R⁷ is H or CH₂

R⁸ is an alkylene group having 2 to 6 carbon atoms; R⁹ is an alkylene group having 5 carbon atoms; and n is 1 to 20.

5. The coating composition of claim 4 wherein the monomer

component (a) comprises an acrylate or methacrylate having the structure:

where $R^1 = H \text{ or } CH_3$,

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$$R^{2} = \frac{R^{3}}{R^{5}} R^{4} \text{ or } R^{5}$$

R³ is H or an alkyl group,

R4 is an alkyl group, and

- 5 R⁵ is an alkyl group containing at least four carbon atoms.
 - 6. The composition of claim 5 wherein R³, R⁴, and R⁵ contain a total of at least 8 carbon atoms.
- 7. The composition of claim 1 wherein curing agent (B) comprises at least one polyisocyanate.
 - 8. The composition of claim 1 wherein the acrylic polyol (A) is separate from the curing agent (B).
 - 9. The composition of claim 1 wherein monomer component (iii) comprises isobornyl acrylate or methacrylate.
- 10. The composition of claim 9 wherein monomer component (iii)
 20 further comprises a vinyl aromatic compound and an acrylate or methacrylate
 different from isobornyl methacrylate.
 - 11. The coating composition of claim 7 wherein the major polyisocyanate component of curing agent (B) is an isocyanurate of hexamethylene

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diisocyanate.

12. The coating composition of claim 1 wherein said coating composition is a clear coat composition.

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- 13. The coating composition of claim 1 wherein said coating composition contains a pigment.
- 14. The coating composition of claim 1 further including a metalcontaining catalyst, organic diluent, an ultraviolet light stabilizer, and an ultraviolet light absorber.

pounds per gallow

15. The coating composition of claim 1 wherein the volatile organic content of the coating composition is less than 3.6/ poinds per ga/loN.

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- 16. The coating composition of claim 1 wherein the curable film-forming components consist essentially of (A) and (B).
 - 17. The coating composition of claim A wherein n is 1 to 5.

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- 18. The coating composition of claim \mathcal{A} wherein n is 1.
- 19. The coating composition of claim 17 wherein monomer

component (b) comprises the reaction product of a hydroxyalky¹ acrylate or methacrylate and ε-caprolactone.

20. The coating composition of claim 18 wherein monomer
component (b) comprises the reaction product of hydroxyethyl methacrylate and εcaprolactone.

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